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May 1968

Minority Group Performance Under Various Conditions of School Ethnic and Economic Integration

* Presented in this issue of the BULLETIN is the concluding section and bibliography from a position paper prepared by Dr. St. John for ERIC-IRCD which will be available in microfiche and hard copy from EDRS after January 1, 1969. Statements marked with asterisks (*) refer to the position paper.

Nancy H. St. John, Ed.D.

The literature on minority group performance in segregated and integrated schools offers more evidence as to the methodological difficulties of research in this area than it does as to the relation between school ethnic composition and achievement. Our review of one-celled studies of the performance of children in integrated or segregated situations indicated again and again that scores are higher for those living or studying in a more integrated and more enriched environment—off the reservation rather than on, in continental United States rather than on the island of Puerto Rico, in the urban North rather than in the rural South, in northern towns rather than in metropolitan ghettos. But such comparisons between studies are suggestive at best. They can never establish a relationship.

The "before" and "after" studies of the desegregation of school systems or individuals are more convincing. Following desegregation, of whatever type or at whatever academic level, subjects perform no worse, and in most instances better. Those studies which measure the same individuals at Time 1 and Time 2—Lee, Archibald, Clark and Plotkin, Katzenmeyer—have thus largely ruled out the enduring characteristics of the subjects and factors in their past (SES, IQ) as explanation of the change. (75, 9, 23, 69) But interaction between desegregation and quality of schooling has not been ruled out. In fact, we are told that desegregation in Washington, D. C. brought an upgrading of education and in Louisville gave a psychological boost to teachers. Such changes could well explain the gain in achievement both in those cities and in situations involving more classroom desegregation. For instance, schools in Philadelphia and in Boston's suburbs are not equal to the southern schools or central Boston schools from which Lee's and Archibald's subjects came. Nor have these researchers controlled for such other sources of invalidity as contemporaneous events in community and school, (a racial incident, for instance) or maturation, or the effect of the first testing.

The pre-Coleman cross-sectional studies I have reviewed are for the most part so small-scale and statistically limited that we can have little confidence in the generalizability of their findings. The Bureau of Indian Affairs study, while large-scale, did not succeed in isolating the effect of racial isolation from the effect of other variables. (27) Matzen's correlational analysis found no difference uniquely attributable to classroom per cent Negro. (83) The criticisms of the Coleman data

and their analysis have already been referred to*—the sampling problems, the poor measure of social class, the failure to separate the effects of neighborhood SES and of school quality, the imprecise and non-longitudinal measure of school ethnic composition. In spite of these limitations, the survey provides fairly convincing evidence as to the existence of a powerful relation between social class integration and achievement. As to a residual relation between ethnic integration and achievement, the evidence is less clear. The effect appears to be small, but could be either exaggerated or masked by inadequate control of school quality and home background characteristics.

In theory, four-celled studies can avoid most of the weaknesses of both panel and cross-sectional research. But no investigation to date has been able to meet all the canons of pure or quasi-experiments. Bell's early study of Japanese Americans suffered from the difficulty of matching segregated and non-segregated children on language proficiency. (14) It is likely that the interaction of selection and maturation obscured real gains. In a sense this study captures the problem of all attempts to equate naturally segregated and non-segregated populations. Isolated groups, even those of English-speaking backgrounds, do not "speak the same language" as white middle-class Americans. Wilson achieves a post-facto "before" measurement by controlling on primary grade mental maturity. (143) This procedure has methodological elegance but may mask the effect of racial segregation. Children from segregated backgrounds who get the same IQ scores as children from integrated backgrounds may be surmounting greater obstacles to do so, and therefore have more ability or more home "achievement press", (even if "equated" on parental occupation). As they mature, the benefit of such background and the handicap of segregation may cancel each other out, if IQ score is held constant.

If bussing studies could randomly assign subjects to experimental and control groups, the matching problem would be avoided; but politics and parental preferences seem invariably to bias the selection. The on-going Hartford experiment, which apparently is achieving more random selection than the other projects reviewed, should therefore be followed with interest. Another aspect of the selection problem

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is what Campbell and Stanley call "mortality", a differential subsequent dropout from experimental or control groups if certain children leave town, leave the program, or are not tested. Few of the bussing studies referred to have measurements on all children originally selected. Furthermore, small or non-representative samples cannot reveal those effects specific to each IQ, personality or SES sub-group.

The small number of children involved in most bussing experiments not only handicaps statistical tests of their effectiveness, but also probably adds to the Hawthorne effect for those involved. The stimulation or embarrassment of being a guinea pig or a newcomer is probably short-run and can be discounted if the experiment is of long enough duration. But the effect of riding a bus to a community other than one's own might be continuing and could only be controlled if students were bussed both to a segregated and to an integrated school.

This raises the question of whether, as most critics of the Coleman report claim, the ideal test of the effect of integration on children is a study in which children are measured "before" they are desegregated. (30, 36, 94, 103) True, this fits the classic model. But I would argue that the most ideal imaginable experiment of this kind would only tell us about the effect of desegregation, a potentially traumatic process. If any evidence beyond our common sense and common values is needed on the consequences of school ethnic composition—and I am not sure that it is—then it is evidence as to which kind of neighborhood a child should be born into and which kind of school should be his from kindergarten on. Comparisons of children who have always been integrated with children who have always been segregated therefore seem more relevant, even though securing a "before" measurement and random assignment to groups becomes a challenge to the ingenuity of researchers.

The laboratory experiments of Katz and the lessons he draws from them are very convincing as to the "threats" and "facilitations" involved in the process of desegregation. (64,

65, 67, 68) Though as yet unsupported by adequate field research, the most plausible hypothesis is that the relation between integration and achievement is a conditional one: the academic performance of minority group children will be higher in good integrated than in good segregated schools, providing they are supported by staff and accepted by peers. As evidence for the first condition I refer to the report from Hartford that only the bussed students who received staff support in their new schools showed gains over non-bussed students. (80, 81) As evidence for the second condition, we have the findings of *Racial Isolation in the Schools* on the importance of interracial friendship to achievement in an integrated setting. (106, p. 100, See also 65, p. 20) In this review* I have consciously ignored the growing and important literature on the relation of ethnic integration and self concept, on the one hand, and of self concept and achievement, on the other. As Wilson and Pettigrew suggest, we must assume a very complicated, two-way process by which the three variables interact. (143, 102) Support by staff and acceptance by peers undoubtedly contribute to both.

In the Introduction I suggested that in rapidly changing times the nature of variables and their interrelationship may change. This review* has found clear evidence of a relation between economic integration and academic achievement, less conclusive evidence of a relation between ethnic integration and achievement. But the research we have examined refers to the immediate or distant past. The meaning of integration may be changing and the conditions under which it is implemented can be made different in the future.

One good reason that there has been no adequate research to date on the effect of integration is that there have been no adequate real-life tests—no large-scale, long-run instances of ethnic integration in top-quality majority-white schools and no large-scale long-run instances of top-quality schooling in segregated minority-group schools. Until our society tries such experiments, our researchers will not be able to evaluate them.

Bibliography on Minority Group Performance under Various Conditions of School Ethnic and Economic Integration

This bibliography was prepared in connection with the full position paper and the numbers beside each item follow the original text. Because of the special nature of this bibliography, some items have been included for which we are unable to provide complete source information.

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1. AARONSON, SIDNEY H. **Feasibility of Studying the Effects of Certain Factors of School Performance of Disadvantaged Children.** Unpublished paper, October 28, 1964.
2. AARONSON, SIDNEY and NOBLE, JOHN. **Urban-Suburban School Mixing: A Feasibility Study.** West Hartford, 1966.

3. AMERMAN, HELEN. **Perspective for Evaluating Intergroup Relations in a Public School System.** *Journal of Negro Education*, 26 (Spring, 1957), 108-120.
4. AMES, LOUISE B. and ILG, FRANCES L. **Search for Children Showing Academic Promise in a Predominantly Negro School.** *Journal of Genetic Psychology*, 110 (June, 1967), 217-231.
5. ANASTASI, ANNE. **Differential Psychology.** New York: Mac-Millan Co., 1958.
6. ANASTASI, ANNE and D'ANGELO RITA Y. **A Comparison of Negro and White Pre-School Children in Language Development and Goodenough Draw-A-Man I.Q.** *Journal of Genetic Psychology*, 81 (December, 1952), 147-165. C UP 000444
7. ANDERSON, WILLIAM F. J. **Instructional Problems of Integration.** *Phi Delta Kappan*, 37 (May, 1956), 353-359.
8. ANTONOVSKY, AARON and LERNER, M. J. **Negro and White High School Youth in Elmira.** In Antonovsky & Lorwin (eds.), *Discrimination and Low Incomes*, New York State Commission Against Discrimination, 1959. E (In process.) UD 001395
9. ARCHIBALD, DAVID K. **Report on Change in Academic Achievement For a Sample of Elementary School Children.** Progress Report on METCO, No date; probably Fall, 1967, mimeographed.
10. Ashmore, Harry S. **The Negro and the Schools.** Chapel Hill: University of North Carolina Press, 1954. C UD 001701
11. AUSUBEL, DAVID P. and AUSUBEL, PEARL. **Ego Development among Segregated Negro Children.** In A. Harry Passow (ed.), *Education in Depressed Areas*, New York: Bureau of Publications, Teachers College, Columbia University, 1963, 109-141. C UD 002449
12. BECKER, HOWARD S. **The Career of the Chicago Public School Teacher.** *American Journal of Sociology*, 57 (March, 1952), 470-477.
13. BEKER, JEROME. **A Study of Integration in Racially Imbalanced Urban Public Schools.** Final Report (mimeographed), Syracuse University Youth Development Center, May, 1967. E ED 013 857
14. BELL, REGINALD. **A Study of the Educational Effects of Segregation Upon Japanese Children in American Schools.** Ph.D. Dissertation, Stanford University, November, 1932.
15. BOWLES, SAMUEL and LEVIN, HENRY. **The Determinants of Scholastic Achievement: An Appraisal of Some Recent Evidence.** *Journal of Human Resources*, 3 (Winter, 1968), 1-24.
16. BROWN, MORGAN C. **The Status of Jobs and Occupations as Evaluated by an Urban Negro Sample.** *American Sociological Review*, 20 (October, 1955), 561-566.
17. BUCHHEIMER, NAOMI and ARNOLD. **Equality Through Integration.** A Report on Greenburgh School District No. 8, Anti-Defamation League of B'nai B'rith, No date: Latest test scores 1964. E ED 002 725
18. BULLOUGH, BONNIE. **Alienation in the Ghetto.** *American Journal of Sociology*, 72 (March, 1967), 469-478. C UD 005879
19. CAMPBELL, DONALD T. and STANLEY, JULIAN C. **Experimental and Quasi-Experimental Designs for Research on Teaching.** In Gage (ed.), *Handbook of Research on Teaching*, 1963, 171-246.
20. CARLSON, HILDING B. and HENDERSON, NORMAN. **The Intelligence of American Children of Mexican Parentage.** *Journal of Abnormal and Social Psychology*, 45 (1950), 544-551.
21. CIVIL RIGHTS U.S.A. **Public Schools Southern States.** Staff Reports Submitted to the United States Commission on Civil Rights, Washington, D.C., 1962. C UD 000586
22. CLARK, KENNETH B. **Dark Ghetto: Dilemmas of Social Power.** New York: Harper & Row, 1965. E ED 013 264
23. CLARK, KENNETH B. and PLOTKIN, LAWRENCE. **The Negro Student at Integrated Colleges.** New York: National Scholarship Service and Fund for Negro Students, 1963. E (In process.) UD 001589
24. COLEMAN, JAMES S., et al. **Equality of Educational Opportunity.** U.S. Department of Health, Education, and Welfare, Washington, D.C., 1966. E ED 012 275
25. COLES, ROBERT. **Northern Children Under Desegregation.** *Psychiatry*, 31 (Feb., 1968), 1-15.
26. CONANT, JAMES B. **Slums and Suburbs: A Commentary on Schools in Metropolitan Areas.** New York: McGraw Hill Book Company, 1961. C UD 001536
27. COOMBS, L. MADISON, KRON, RALPH E., COLLISTER, E. GORDON, ANDERSON, KENNETH E. **The Indian Child Goes to School: A Study of Interracial Differences.** Department of the Interior, Bureau of Indian Affairs, 1958.
28. CROCKETT, HARRY J. **A Study of Some Factors Affecting the Decision of Negro High School Students to Enroll in Previously All-White High Schools in St. Louis, 1955.** *Social Forces*, 35 (May, 1957), 351-356.
29. DAVE, R. H. **The Identification and Measurement of Environmental Process Variables that are Related to Educational Achievement.** Unpublished Ph.D. Dissertation, University of Chicago, December, 1963.
30. DENTLER, ROBERT A. and ELKINS, CONSTANCE. **Intergroup Attitudes, Academic Performance, and Racial Composition.** In Dentler, Mackler and Warshauer, (eds.), *The Urban R's*, New York: Frederick Praeger, 1967.
31. DEUTSCH, MARTIN. **Minority Group and Class Status as Related to Social and Personality Factors in Scholastic Achievement.** The Society for Applied Anthropology, Cornell University, Monograph No. 2, 1960.
32. DEUTSCH, MARTIN and BROWN, BERT. **Social Influences in Negro-White Intelligence Differences.** *The Journal of Social Issues*, 20 (April, 1964), 24-35. C UD 003010
33. DREGER, R. M. and MILLER, K. S. **Comparative Psychological Studies of Negroes and Whites in the United States.** *Psychological Bulletin*, 57 (1964), 361-402.
34. DRESSLER, FRANK J. **Study of Achievement in Reading of Pupils Transferred from Schools 15 and 37 to Peripheral Schools to Eliminate Overcrowding, to Abandon an Obsolete School, and to Achieve a More Desirable Racial Balance in City Schools.** Division of Curriculum Evaluation and Development, Buffalo Public Schools, March 1967, mimeographed.

35. DUNCAN, OTIS D. and DUNCAN, BEVERLEY. **The Negro Population of Chicago**. Chicago: University of Chicago Press, 1957.
36. DYER, HENRY S. **School Factors and Equal Educational Opportunity**. Harvard Educational Review, 38 (Winter, 1968), 38-56.
37. EELLS, KENNETH, et. al. **Intelligence and Cultural Differences**. Chicago: University of Chicago Press, 1951.
38. FERGUSON, H. O. and PLAUT, R. L. **Talent: to Develop or to Lose**. The Educational Record, 35 (April, 1954), 137-140.
39. FISHMAN, JOSHUA, chairman, Work Group of the Society for the Psychological Study of Social Issues. **Guidelines for Testing Minority Group Children**. The Journal of Social Issues, 20 (April, 1964), 129-145. C UD 002358
40. FOX, DAVID J. **Evaluation of the New York City Title I Educational Projects 1966-1967. Expansion of the Free Choice Open Enrollment Program**. Center for Urban Education, New York, September, 1967, mimeographed. E (In process.) UD 005154
41. FOX, DAVID J. **Expansion of the More Effective School Program**. The Center for Urban Education, New York, September, 1967, mimeographed. E ED 014 525
42. FOX, DAVID J. **Free Choice Open Enrollment—Elementary Schools**. Center for Urban Education, New York, August 31, 1966, mimeographed. E ED 001 532
43. FOX, THOMAS. **Allocation, Distribution, and Utilization of Educational Resources in Chicago Public Schools**. 1961-1962, mimeographed.
44. FREEMAN, HOWARD E., ARMOR, DAVID, ROSS, J. MICHAEL and PETTIGREW, T. F. **Color Gradation and Attitudes Among Middle Income Negroes**. American Sociological Review, 31 (June, 1966), 365-374.
45. GINSBERG, ELI. **The Negro Potential**. New York: Columbia University Press, 1956.
46. GLAZER, NATHAN and McENTIRE, DAVIS. **Housing and Minority Groups**. Berkeley: University of California Press, 1960.
47. GLENN, NORVAL D. **Negro Prestige Criteria: a Case Study in the Bases of Prestige**. American Journal of Sociology, 68 (May, 1963), 645-657.
48. GORDON, EDMUND W. and WILKERSON, DOXEY A. **A Critique of Compensatory Education**. Compensatory Education for the Disadvantaged, New York: College Entrance Examination Board, 1966. E ED 011 274
49. GOTTLIEB, DAVID. **Teaching and Students: The Views of Negro & White Teachers**. Sociology of Education, 37 (Summer, 1964), 345-353. C UD 002536
50. GREEN, ROBERT L. and HOFMANN, LOUIS J. **A Case Study of the Effects of Educational Deprivation on Southern Rural Negro Children**. Journal of Negro Education, 34 (Summer, 1965), 327-341.
51. HANSEN, CARL F. **The Scholastic Performance of Negro and White Pupils in the Integrated Public Schools of the District of Columbia**. Harvard Educational Review, 30 (Summer, 1960), 216-236. E (In process.) UD 002982
52. HARLEM YOUTH OPPORTUNITIES UNLIMITED, INC. **Youth in the Ghetto: A Study of the Consequences of Powerlessness and a Blueprint for Change**. New York: HARYOU, 1964. C UD 001542
53. HARRIS, ALBERT J. and LOVINGER, ROBERT J. **Some Longitudinal Data on IQ Changes in the Intelligence of Negro Adolescents**. The City University of New York, 1965, mimeographed.
54. HERRIOTT, ROBERT and ST. JOHN, Nancy. **Social Class and the Urban School**. New York: John Wiley and Sons, 1966.
55. HICKERSON, NATHANIEL. **Some Aspects of School Integration in a California High School**. The Journal of Negro Education, 34 (Spring, 1965), 130-137.
56. HIGGENS, C. & SIVERS, CATHRYNE M. **A Comparison of the Stanford-Binet and the Colored Raven Progressive Matrices IQ's for Children with Low Socio-economic Status**. Journal of Consulting Psychology, 22 (1958), 465-468.
57. HUGHES, HELEN and WATTS, LEWIS G. **Portrait of the Self-Integrator**. The Journal of Social Issues, 20 (April, 1964), 103-115.
58. JENCKS, CHRISTOPHER and RIESMAN, DAVID. **The American Negro College**. Harvard Educational Review, 37 (Winter, 1967), 3-60. C UD 002996
59. JESSUP, DOROTHY K. **School Integration and Minority Group Achievement**. In Dentler, Mackler and Warshauer, (eds.), *The Urban R's*, New York: Frederick Praeger, 1967.
60. JOHN, VERA P. **The Intellectual Development of Slum Children: Some Preliminary Findings**. American Journal of Orthopsychiatry, 33 (October, 1963), 813-822.
61. JONSSON, HAROLD A. **Attitudes Towards Bussing and Integration Expressed by Berkeley Mothers, Teachers, and Children: A Summary of 1966 Survey Findings**. Berkeley Unified School District, November, 1966, mimeographed.
62. JONSSON, HAROLD A. **Effectiveness of ESEA Title I Activities in the Berkeley Unified School District: A Short Summary of Evaluation for the 1966-67 Project Year**. 1967, mimeographed.
63. KAPLAN, JOHN. **New Rochelle: Civil Rights U.S.A., Public School, Cities in the North and West**. A Report to the United States Commission on Civil Rights, 1962.
64. KATZ, IRWIN. **Academic Motivation and Equal Educational Opportunity**. Harvard Educational Review, 38 (Winter, 1968), 57-65.
65. KATZ, IRWIN. **Desegregation or Integration in Public Schools? The Policy Implications of Research**. Integrated Education, 30 (Dec. 1967-Jan. 1968), 15-28.
66. KATZ, IRWIN. **Problems and Directions for Research on Public School Desegregation**. New York: Eric Information Retrieval Center for the Disadvantaged, 1967. C UD 000417
67. KATZ, IRWIN. **Review of Evidence Relating to Effects of Desegregation on the Intellectual Performance of Negroes**. American Psychologist, 19 (June, 1964), 381-399.

68. KATZ, IRWIN. **Some Motivational Determinants of Racial Differences in Intellectual Achievement.** *International Journal of Psychology*, 2 (April, 1967), 1-12.
69. KATZENMEYER, WILLIAM GILBERT. **Social Interaction and Differences in Intelligence Test Performance of Negro and White Elementary School Pupils.** Unpublished Ph.D. Dissertation, Duke University, 1962, reported in *Dissertation Abstracts*, 24 (1963), 1904.
70. KATZMAN, MARTIN T. **Distribution and Production in a Large City Elementary School System.** Boston, 1966, Ph.D. Dissertation, Yale University, 1966.
71. KENNEDY, A., VAN DE RIET, V. and WHITE, J. C. **A Normative Sample of Intelligence and Achievement of Negro Elementary School Children in the Southeastern U.S.** *Monographs of The Society for Research in Child Development*, 28, No. 6, 1963.
72. KLINEBERG, OTTO. **Negro Intelligence and Selective Migration.** New York: Columbia University Press, 1935.
73. KLINEBERG, OTTO. **Negro-White Differences in Intelligence Test Performance: A New Look at an Old Problem.** *American Psychologist*, April 1963. C UD 003129
74. LAIRD, MARY ALICE and WEEKS, GRACE. **The Effect of Bussing on Achievement in Reading and Arithmetic in Three Philadelphia Schools.** Division of Research, The School District of Philadelphia, December, 1966, mimeographed.
75. LEE, EVERETT S. **Negro Intelligence and Selective Migration: A Philadelphia Test of Klineberg Hypothesis.** *American Sociological Review*, 16 (April, 1951), 227-233.
76. LESSER, GERALD S., FIFER, GORDON and CLARK, DONALD H. **Mental Abilities of Children from Different Social Class and Cultural Groups.** *Monographs of the Society for Research in Child Development*, 30, No. 4, 1965.
77. LEWIS, RALPH G. **Academic Achievement and the Effects of School Racial Composition: A Critical Appraisal of the Literature.** Qualifying Paper Harvard University Graduate School of Education, December, 1967.
78. LOCKWOOD, J. D. **An Examination of Scholastic Achievement, Attitudes and Home Background Factors of 6th Grade Negro Students in Balanced and Unbalanced Schools.** Unpublished Ph.D. Dissertation, University of Michigan, 1966.
79. LUCHTERHAND, ELMER and WELLER, LEONARD. **Social Class and the Desegregation Movement: A Study of Parents' Decisions in a Negro Ghetto.** *Social Problems*, 13 (Summer, 1965), 83-88.
80. MAHAN, THOMAS W. **Project Concern: An Interim Report on an Educational Exploration.** Hartford, Connecticut, September, 1967, mimeographed.
81. MAHAN, THOMAS W. **Project Concern: A Supplementary Report on Non-Academic Factors.** Hartford, Connecticut, April, 1968, mimeographed. E (In process.) UD 006417
82. MATHAI, ROBERT ARTHUR. **The Academic Performance of Negro Students: An Analysis of the Research Findings from Several Bussing Programs.** Qualifying Paper, Harvard Graduate School of Education, June, 1968.
83. MATZEN, STANLEY PAUL. **The Relationship between Racial Composition and Scholastic Achievement in Elementary School Classrooms.** Unpublished Ed.D. Dissertation, Stanford University, 1965, reported in *Dissertation Abstracts*, (1966), 6475-6576.
84. McCAULEY, PATRICK, and BALL, EDWARD D. (eds.). **Southern Schools: Progress and Problems.** Nashville, Tennessee: Southern Education Reporting Service, 1959. C UD 000971
85. McCORD, WILLIAM M. and DEMERATH, NICHOLAS J. **Negro Versus White Intelligence: A Continuing Controversy.** *Harvard Educational Review*, 28 (Spring, 1958), 120-135.
86. McGURK, F. C. J. **On White and Negro Test Performance and Socioeconomic Factors.** *Journal of Abnormal and Social Psychology*, 48 (1953), 448-450.
87. McQUEEN, ROBERT and CHURCH, BROWNING. **The Intelligence and Educational Achievement of a Matched Sample of White and Negro Students.** *School and Society*, 88 (September 24, 1960), 327-329.
88. MEKETON, BETTY FIELD. **The Effects of Integration Upon the Negro Child's Responses To Various Tasks and Upon His Level of Self-Esteem.** Ph.D. Dissertation, University of Kentucky, 1966, abstract of Dissertation, mimeographed. C UD 003807
89. MICHAEL, JOHN A. **High School Climates and Plans for Entering College.** *Public Opinion Quarterly*, 25 (Winter, 1961), 585-595.
90. MILLER, CARROLL L. **Educational Opportunities and the Negro Child in the South.** *Harvard Educational Review*, 30 (Summer, 1960), 195-208.
91. MORIBER, LEONARD. **School Functioning of Pupils Born in Other Areas and in New York City.** Board of Education of City of New York (Bureau of Education Program Research and Statistics), Publication #168, May, 1961.
92. MOYNIHAN, DANIEL P. **Sources of Resistance to the Coleman Report.** *Harvard Educational Review*, 38 (Winter, 1968), 23-36.
93. MOYNIHAN, DANIEL P. **Who Gets in the Army?** *The New Republic*, November 5, 1966, 19-22.
94. NICHOLS, ROBERT. **Schools and the Disadvantaged.** *Science*, 154 (December 9, 1966), 1312-1314.
95. NORTH, ROBERT D. **Intelligence of the American Negro.** Research Report, Anti-Defamation League of B'nai B'rith, 3 (November, 1956), mimeographed.
96. OSBORNE, R. T. **Racial Differences in Mental Growth and School Achievement: A Longitudinal Study.** *Psychological Reports*, 7 (1960), 233-239. C UD 000087
97. PARKER, SEYMOUR and KLEINER, ROBERT. **Status Position, Mobility and Ethnic Identification of the Negro.** *The Journal of Social Issues*, 20 (April, 1964), 85-102.
98. PASSAMANICK, B. and KNOBLOCH, HILDA. **Early Language Behavior in Negro Children and the Testing of Intelligence.** *Journal of Abnormal and Social Psychology*, 50 (1955), 401-402.
99. PETERSON, R. A. and DE BORD, L. **Educational Supportiveness of the Home and Academic Performance of Disadvantaged Boys.** IMRID, *Behavioral Science Monographs*, George Peabody College, 1966, No. 3, reported in Stodolsky and Lesser, *Harvard Educational Review*, Fall, 1967 cf 129.
100. PETTIGREW, THOMAS F. **Negro American Personality: Why Isn't More Known?** *Journal of Social Issues*, 20 (April, 1964), 4-23.
101. PETTIGREW, THOMAS F. **A Profile of the Negro American.** Princeton: D. Van Nostrand, Inc., 1964. C UD 001468

102. PETTIGREW, THOMAS F. **Race and Equal Educational Opportunity.** Harvard Educational Review, 38 (Winter, 1968), 66-76.
103. PETTIGREW, THOMAS F. and PAJONAS, PATRICIA J. **Social Psychological Considerations of Racially Imbalanced Schools.** Paper presented at New York Education Department Conference, March, 1964, and included as reference material in Report of the Advisory Committee on Racial Imbalance and Education of the Massachusetts State Board of Education, April, 1965.
104. **Progress Report on Integration in the Philadelphia Public Schools.** School District of Philadelphia, March, 1967.
105. Public Education Association. **The Status of the Public School, Education of Negro and Puerto Rican Children in New York City.** New York: October, 1955.
106. **Racial Isolation in the Public Schools.** United States Commission on Civil Rights, Washington, D.C., 1967. E ED 012 740
107. ROBERTS, S. O., DICKERSON, ANN E. and HORTON, CARRELL P. **Longitudinal Performance of Negro American Children at Five and Ten years on the Stanford-Binet.** American Psychologist, 20 (1965), 524.
108. ROBERTS, S. O., DICKERSON, ANN E. and HORTON, CARRELL P. **Performance of Negro American Children Ages Seven to Ten on the Stanford-Binet by Selected Background Factors.** Paper presented at American Psychological Association Meeting, September 2, 1966.
109. ROBINS, LEE N., JONES, ROBIN S., and MURPHY, GEORGE E. **School Milieu and School Problems of Negro Boys.** Social Problems, 13 (Spring, 1966), 428-436. C UD 001780
110. ROBINSON, MARY L. and MEENES, M. **The Relationship Between Test Intelligence of Third Grade Negro Children and the Occupations of their Parents.** Journal of Negro Education, 16 (1947), 136-141.
111. ROCK, WILLIAM C., et. al. **An Interim Report on a Cooperative Program Between a City School District and a Suburban School District.** Rochester City School District, July 20, 1966, mimeographed.
112. ROCK, WILLIAM C., et. al. **An Interim Report on a Cooperative Program Between A City School District and a Suburban School District.** Rochester City School District, July 25, 1967, mimeographed. E (In process.) UD 006425
113. ROHRER, J. H. **The Test Intelligence of Osage Indians.** Journal of Social Psychology, 16 (1942), 99-105.
114. ST. JOHN, NANCY HOYT. **De Facto Segregation and Interracial Association in High School.** Sociology of Education, 37 (Summer, 1964), 326-344. C UD 002907
115. ST. JOHN, NANCY HOYT. **De Facto Segregation, Migration from the South, and School Achievement.** Paper presented at the Annual Meeting of the American Sociological Association, August, 1965.
116. ST. JOHN, NANCY HOYT. **The Relation of Racial Segregation in Early Schooling to the Level of Aspiration and Academic Achievement of Negro Students in a Northern High School.** Unpublished Ed.D. Dissertation, Harvard University, 1962.
117. SAMUELS, IVAN G. **Desegregated Education and Differences in Academic Achievement.** Unpublished Ph.D. Dissertation, Indiana University, reported in Dissertation Abstracts, 19 (1958), 1293.
118. SELTZ, CLARE, JAHODA, MARIE, DEUTSCH, MORTON and COOK, STUART W. **Research Methods in Social Relations.** New York: Henry Holt and Company, 1966.
119. SEMLER, IRA and ISCOE, IRA. **Structure of Intelligence in Negro and White Children.** Journal of Educational Psychology, 57 (1966), 326-336.
120. SEXTON, PATRICIA. **Education and Income, Inequalities of Education in Our Public Schools.** New York: Viking Press, 1961.
121. SHUEY, AUDREY. **The Testing of Negro Intelligence.** Lynchburg, Virginia: Social Science Press, New York, 1966. C UD 003803
122. SOLOMON, RICHARD L. **An Extension of Control Group Design.** Psychological Bulletin, 46 (1949), 137-150.
123. STABLEIN, J. E., WILLEY, D. S. and THOMSON, C. W. **An Evaluation of the Davis-Eells Test Using Spanish and Anglo-American Children.** Journal of Educational Sociology, 35 (1961), 73-79.
124. STALLINGS, FRANK H. **Atlanta and Washington: Racial Differences in Academic Achievement.** Southern Regional Council, Report No. 1-16, February 26, 1960. E ED 001 966
125. STALLINGS, FRANK H. **A Study of the Immediate Effects of Integration on Scholastic Achievement in the Louisville Public Schools.** Journal of Negro Education, 28 (Fall, 1959), 439-444.
126. STETLER, HENRY G. **Comparative Study of Negro and White Dropouts in Selected Connecticut High School.** Commission on Civil Rights, Hartford, Connecticut, 1959. C UD 00357
127. STETLER, HENRY G. **Private Interracial Neighborhoods in Connecticut.** Commission on Civil Rights, Hartford, Connecticut, 1957.
128. STEWART, L. H., DOLE, A. A. and HARRIS, Y. Y. **Cultural Differences in Abilities During High School.** American Educational Research Journal, 4 (1967), 19-30.
129. STODOLSKY, SUSAN and LESSER, GERALD. **Learning Patterns in the Disadvantaged.** Harvard Educational Review, 37 (Fall, 1967), 546-593.
130. STOUFFER, SAMUEL A. **Some Observations on Study Design.** Social Research to Test Ideas. Glencoe, Illinois: The Free Press of Glencoe, 1962, 290-299.
131. Sullivan, Neil V. **Discussion: Implementing Equal Educational Opportunity.** Harvard Educational Review, 38 (Winter, 1968), 148-155.
132. THORNDIKE, ROBERT L. **Free Choice Open Enrollment: Junior High Schools.** Center for Urban Education, New York, August 31, 1966. E ED 012 289
133. TOMLINSON, H. **Differences Between Pre-School Negro Children and their Older Siblings on the Stanford-Binet Scales.** Journal of Negro Education, 13 (1944), 474-479.
134. VANE, JULIA R. **Relation of Early School Achievement to High School Achievement When Race, Intelligence and Socioeconomic Factors Are Equated.** Psychology in the Schools, 3 (1966), 124-129.
135. WARNER, W. LLOYD, JUNKER, BUFORD H. and ADAMS, WALTER A. **Color, Human Nature and Personality Development in a Northern City.** Washington: American Council on Education, 1941.

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136. WAX, MURRAY L., WAX, ROSALIE H. and DUMONT, ROBERT V. **Formal Education in an American Indian Community.** *Social Problems*, 11 (Spring, 1964), No. 4. E ED 001 130
137. WAYSON, WILLAM W. **Securing Teachers for Slum Schools.** *Integrated Education*, 4 (February-March), 1966, 31-38.
138. WEINSTEIN, EUGENE A. and GEISEL, PAUL N. **Family Decision Making over Desegregation.** *Sociometry*, 25 (March, 1962), 21-29. C UD 001857
139. WEY, HUBERT and COREY, JOHN. **Action Patterns in School Desegregation.** Bloomington, Indiana. Phi Delta Kappa, December, 1958.
140. WHITEMAN, MARTIN, BROWN, BERT and DEUTSCH, MARTIN. **Some Effects of Social Class and Race on Children's Language and Intellectual Abilities.** *Studies in Deprivation, Equal Education Opportunities*, 1966.
141. WHITE PLAINS PUBLIC SCHOOLS. **A Three-Year Evaluation of the White Plains Racial Balance Plan.** October 16, 1967, mimeographed. E (In process.) UD 006250
142. WILLIAMS, ROBIN M. and RYAN, MARGARET W. **Schools in Transition: Community Experiment in Desegregation.** Chapel Hill: University of North Carolina Press, 1954.
143. WILSON, ALAN B. **Educational Consequences of Segregation in a California Community.** *Racial Isolation in the Public Schools II*, U.S. Commission on Civil Rights, 1967, 165-206.
144. WILSON, ALAN B. **The Effect of Residential Segregation upon Educational Achievement and Aspirations.** Unpublished Ed.D. Dissertation, University of California, Berkeley, 1960.
145. WILSON, ALAN B. **Residential Segregation of Social Classes and Aspirations of High School Boys.** *American Sociological Review*, 24 (December, 1959), 836-845.
146. WILSON, ALAN B. **Social Stratification and Academic Achievement.** In A. Harry Passow (ed.), *Education in Depressed Areas*, New York: Bureau of Publications, Teachers College, Columbia University, 1963. C UD 002453
147. WOLF, R. M. **The Measurement of Environments.** *Proceedings of 1964 Invitational Conference on Testing Problems*, Princeton: Educational Testing Service, 1965.
148. WOLFF, MAX. **Racial Imbalance in Plainfield Public Schools.** Annex Special High School Study, Board of Education, Plainfield, New Jersey, July, 1962, mimeographed.
149. WOLFF, MAX. **Segregation in the Schools of Gary, Indiana.** *Journal of Educational Sociology*, 36 (February, 1963), 251-258.
150. WOLMAN, T. G. **Learning Effects of Integration in New Rochelle.** *Integrated Education*, 2 (December, 1964-January, 1965), 30-31. E (In process.) UD 006134
151. WRIGHTSTONE, J. WAYNE. **Demonstration Guidance Project in New York City.** *Harvard Educational Review*, 30 (Summer, 1960), 237-251.

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